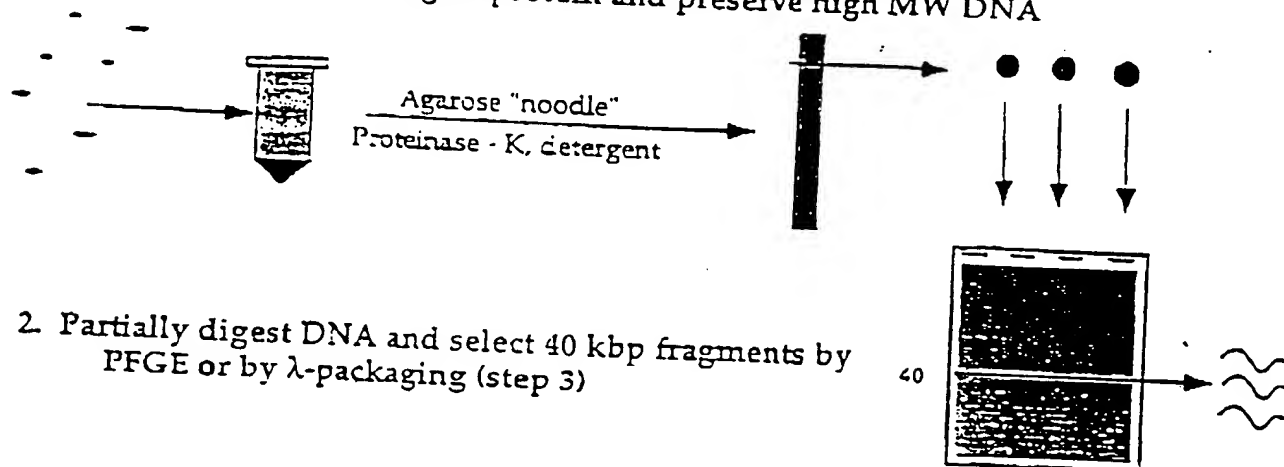


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Figure 1

Environmental Library Construction in pFOS1

1. Concentrate bacteria, digest protein and preserve high MW DNA



2. Partially digest DNA and select 40 kbp fragments by PFGE or by λ -packaging (step 3)

3. Ligate to fosmid arms, package and transfect to *E. coli*.
Array library in microtiter plates.

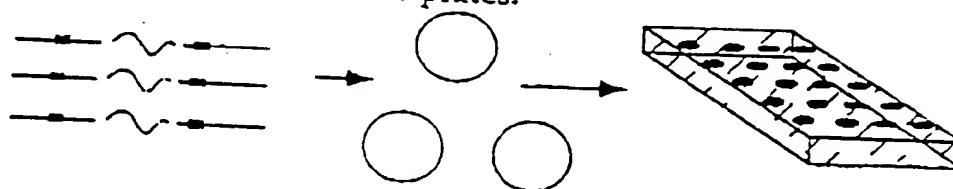
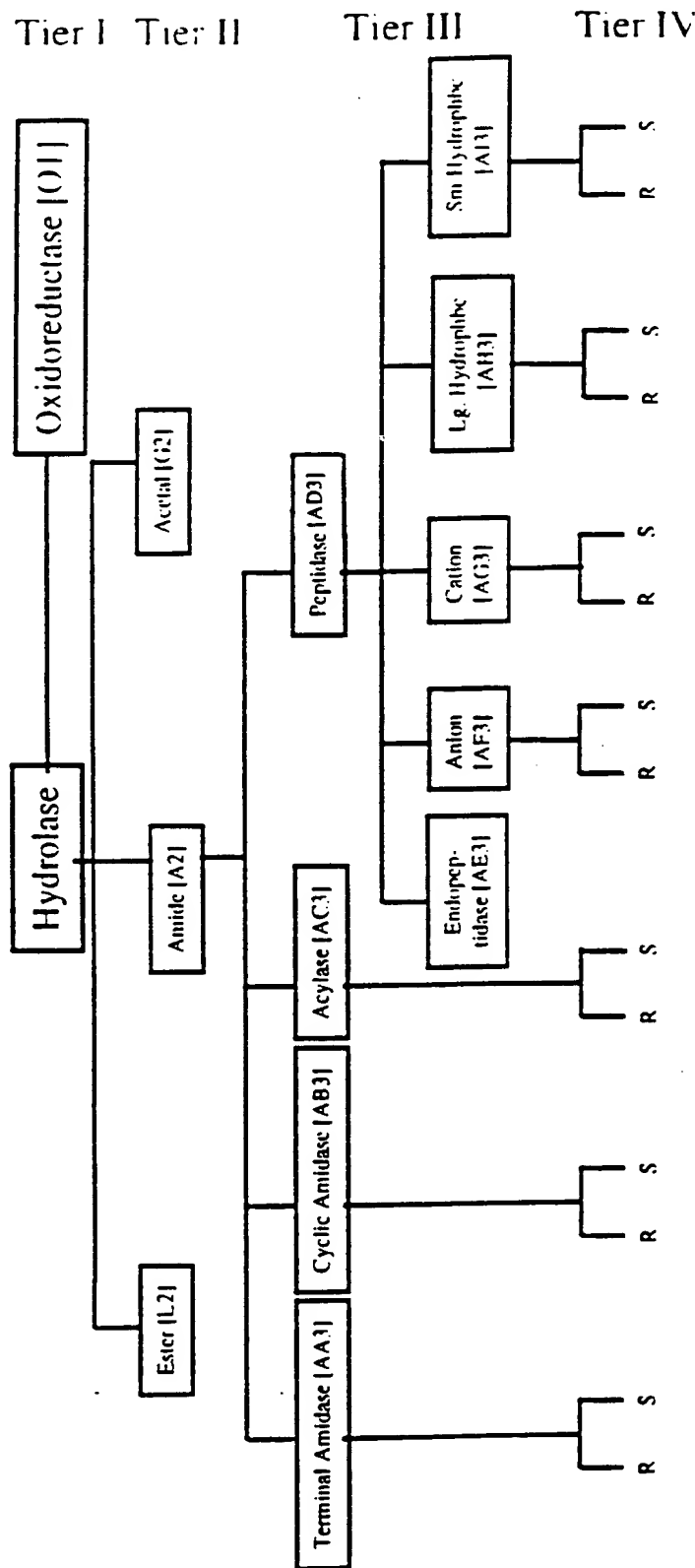


Figure 2



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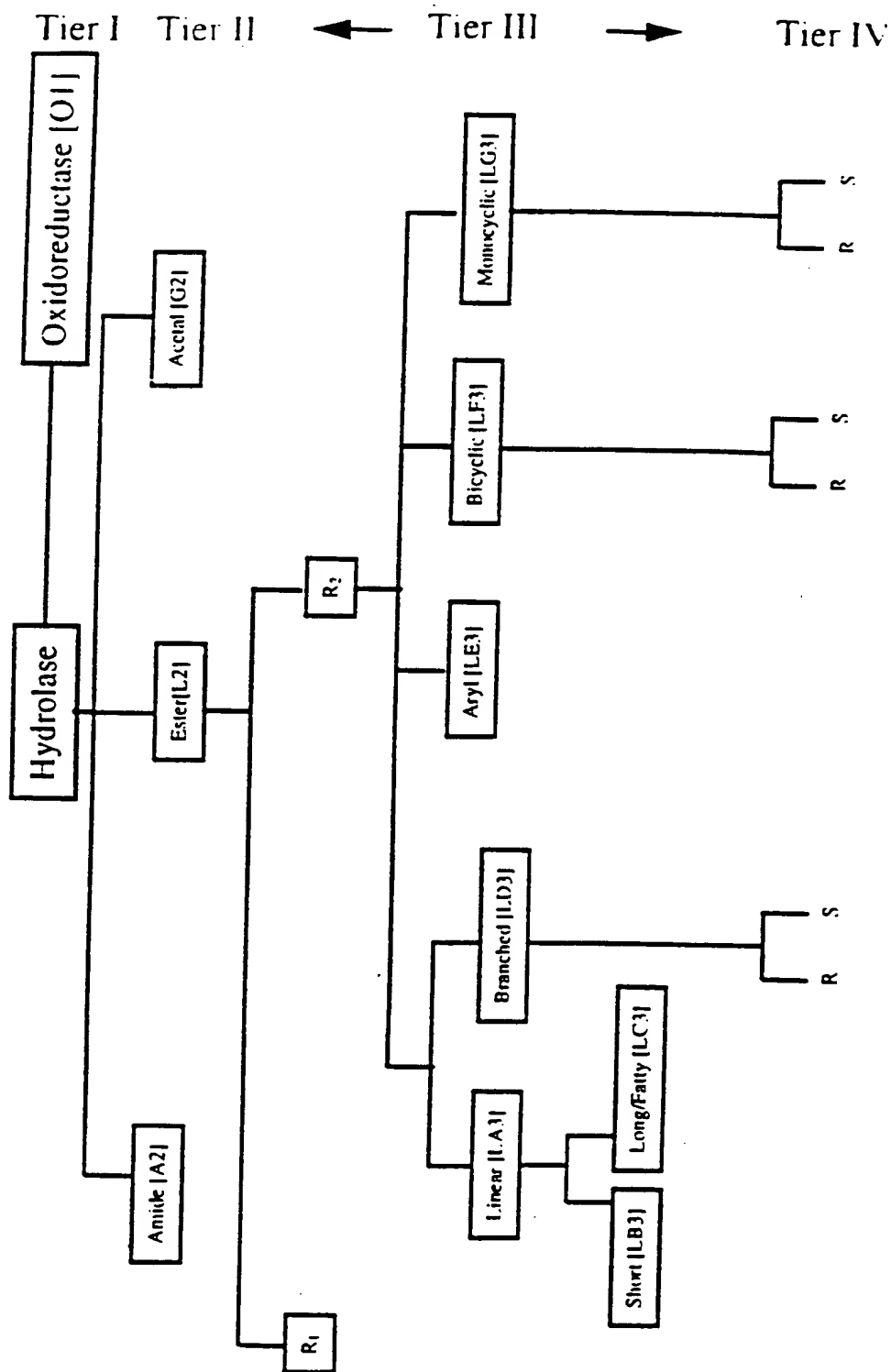


Figure 3

Figure 4

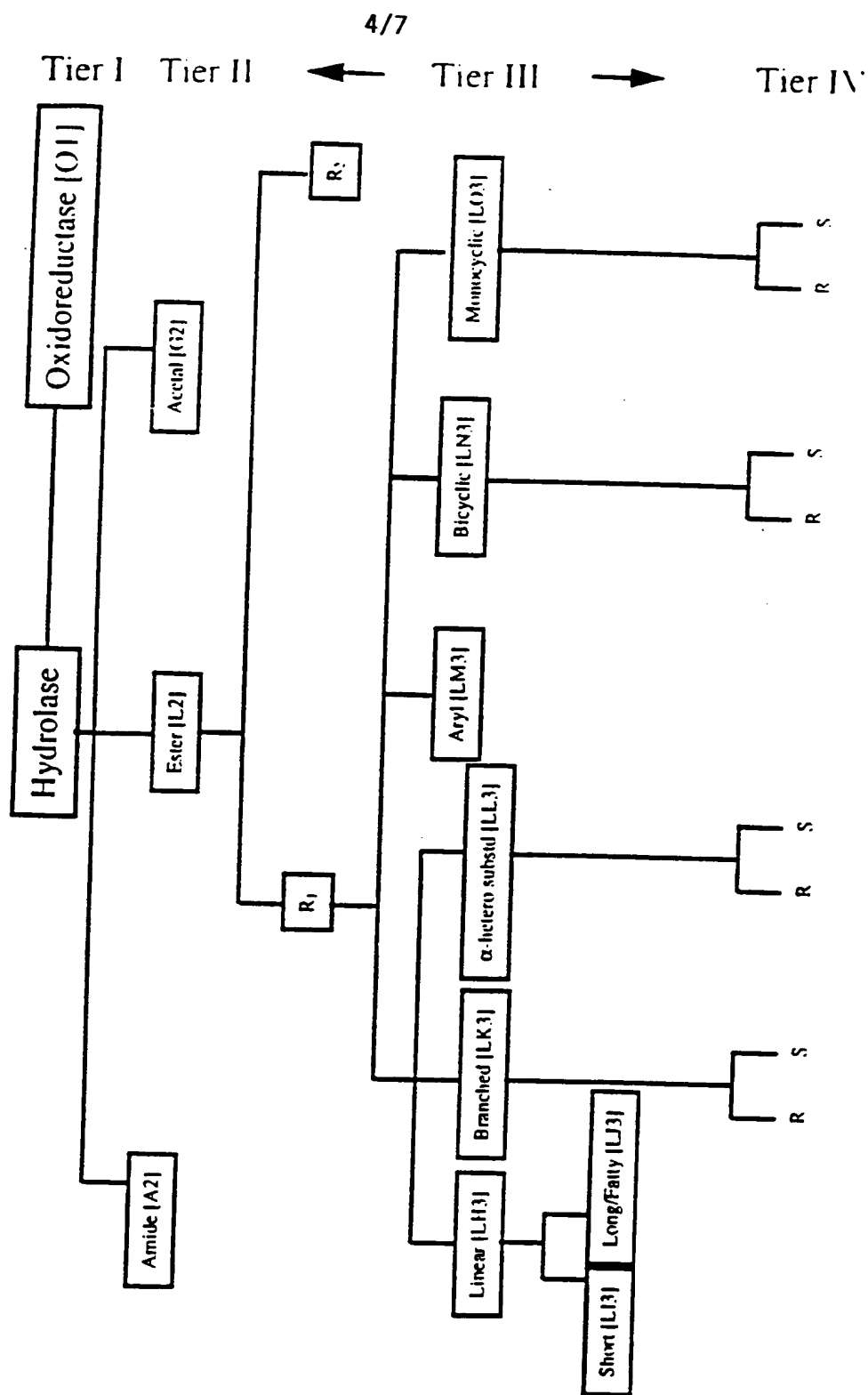
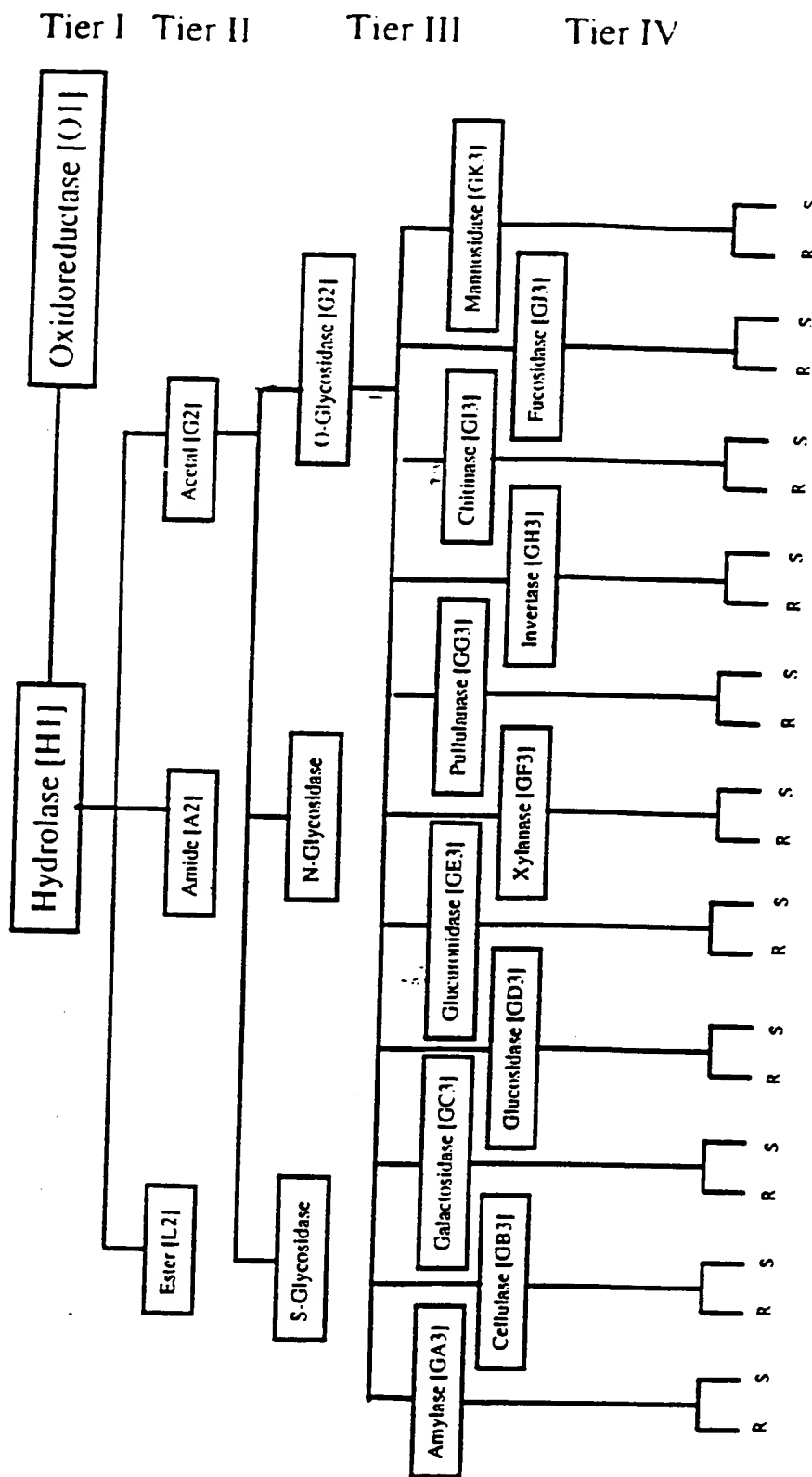


Figure 5



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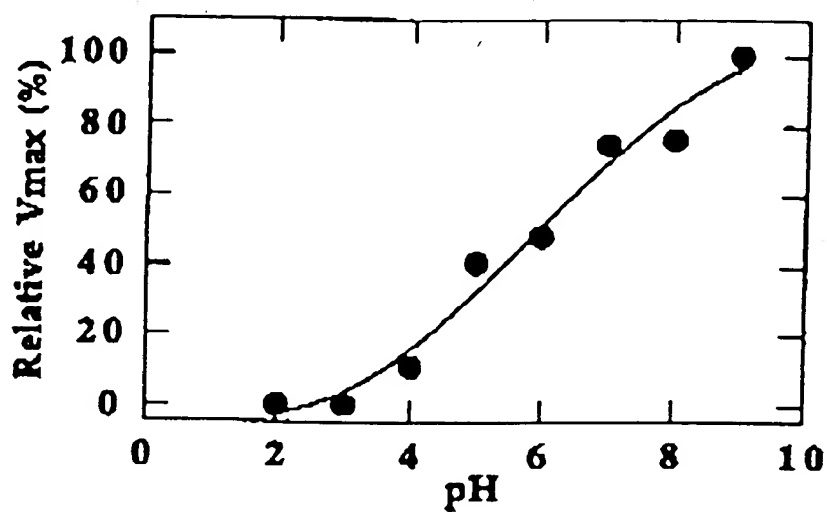


Figure 6

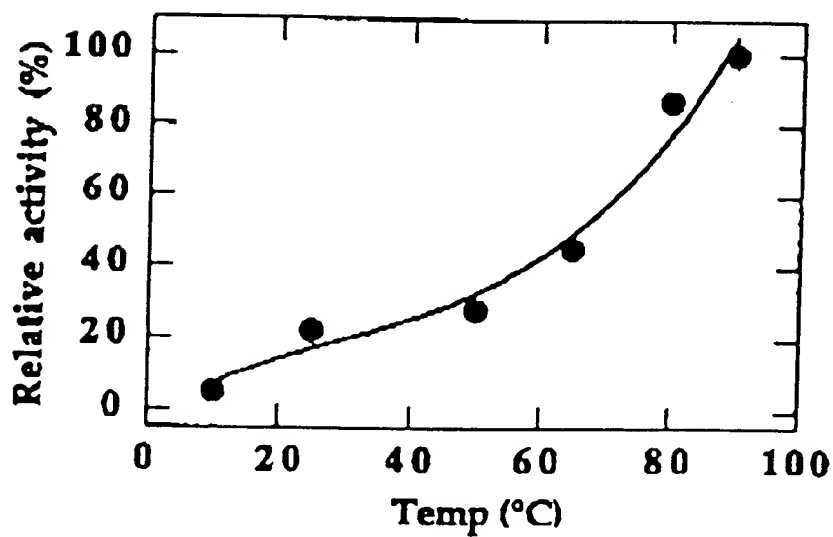


Figure 7

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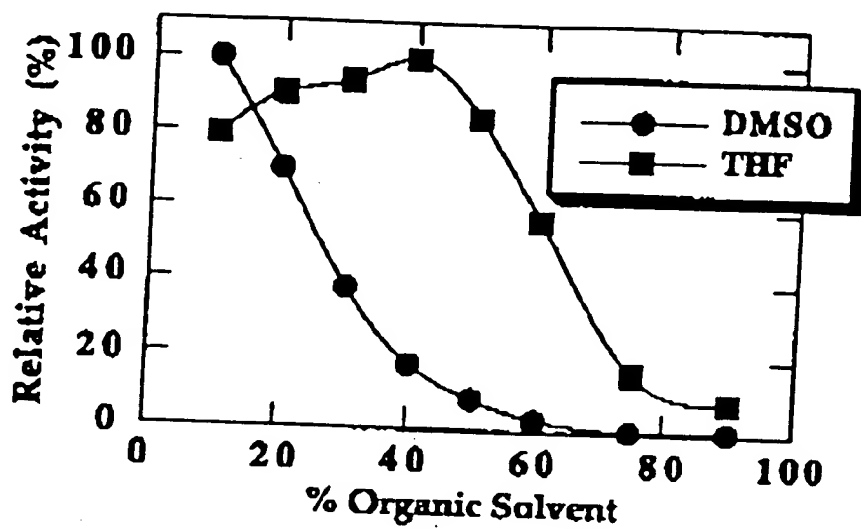


Figure 8